

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-92) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 16020/9264

SERIAL NO.: 09/711,782

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT:APPLICANT: Bitner *et al.*

(Use several sheets if necessary)

FILING DATE: November 13, 2000

GROUP: 1744 1637



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS S	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JA</i>	A	5,389,449	Feb. 14, 1995	Afeyam <i>et al.</i>			
<i>JA</i>	B	5,582,988	Dec. 10, 1996	Backus <i>et al.</i>			
<i>JA</i>	C	4,233,169	Nov. 11, 1980	Beall <i>et al.</i>			
<i>JA</i>	D	4,395,271	Jul. 26, 1983	Beall <i>et al.</i>			
<i>JA</i>	E	6,117,398	Sep. 12, 2000	Bienhaus <i>et al.</i>			
<i>JA</i>	F	5,234,809	Aug. 10, 1993	Boom <i>et al.</i>			
<i>JA</i>	G	<del>6,048,695</del>	<del>Apr. 11, 2000</del>	<del>Bradley <i>et al.</i></del>			
<i>JA</i>	H	5,652,348	Jul. 29, 1997	Burton <i>et al.</i>			
<i>JA</i>	I	5,346,994	Sep. 13, 1994	Chomczynski			
<i>JA</i>	J	5,747,663	May 5, 1998	Colpan <i>et al.</i>			
<i>JA</i>	K	5,990,301	Nov. 23, 1999	Colpan <i>et al.</i>			
<i>JA</i>	L	4,767,670	Aug. 30, 1988	Cox <i>et al.</i>			
<i>JA</i>	M	5,660,984	Aug. 26, 1997	Davis <i>et al.</i>			
<i>JA</i>	N	5,316,680	May 31, 1994	Frechet <i>et al.</i>			
<i>JA</i>	O	5,155,018	Oct. 13, 1992	Gillespie <i>et al.</i>			
<i>JA</i>	P	6,045,697	Apr. 4, 2000	Giroi <i>et al.</i>			
<i>JA</i>	Q	5,395,498	Mar. 7, 1996	Gombinsky <i>et al.</i>			
<i>JA</i>	R	5,783,686	Jul 21, 1998	Gonzalez, D.			
<i>JA</i>	S	5,898,071	Apr. 27, 1999	Hawkins, T.			
<i>JA</i>	T	5,057,426	Oct. 15, 1991	Henco <i>et al.</i>			
<i>JA</i>	U	4,672,040	Jun. 9, 1987	Josephson, L.			
<i>JA</i>	V	5,683,875	Nov. 4, 1997	Lichtenwalter, K.			
<i>JA</i>	W	5,075,430	Dec. 24, 1991	Little, M.			
<i>JA</i>	X	5,728,822	Mar. 17, 1998	Macfarlane, D.			
<i>JA</i>	Y	4,297,337	Oct. 27, 1981	Mansfield <i>et al.</i>			
<i>JA</i>	Z	5,658,548	Aug. 19, 1997	Padhye <i>et al.</i>			
<i>JA</i>	AA	5,523,231	Jun. 4, 1996	Reeve, M.			
<i>JA</i>	AB	5,681,946	Oct. 28, 1997	Reeve, M.			
<i>JA</i>	AC	4,699,717	Oct. 13, 1987	Riesner <i>et al.</i>			
<i>JA</i>	AD	6,027,945	Feb. 22, 2000	Smith <i>et al.</i>			
<i>JA</i>	AE	5,945,525	Aug. 31, 1999	Uematsu <i>et al.</i>			
<i>JA</i>	AF	5,076,950	Dec. 31, 1991	Ullman <i>et al.</i>			
<i>JA</i>	AG	3,652,761	Mar. 28, 1972	Weetall, H.			
<i>JA</i>	AH	4,695,392	Sep. 22, 1987	Whitehead <i>et al.</i>			
<i>JA</i>	AI	<del>4,695,393</del>	<del>Sep. 22, 1987</del>	<del>Whitehead <i>et al.</i></del>			
<i>JA</i>	AJ	5,693,785	Dec. 2, 1997	Woodward <i>et al.</i>			
<i>JA</i>	AK	5,610,274	Mar. 11, 1997	Wong, Y.			
<i>JA</i>	AL	5,734,020	Mar. 31, 1998	Wong, Y.			
<i>JA</i>	AM	5,904,848	May 18, 1999	Wong <i>et al.</i>			

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	Z	5,658,548	Aug. 19, 1997	Padhye <i>et al.</i>			
	AA	5,523,231	Jun. 4, 1996	Reeve, M.			
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	AC	4,699,717	Oct. 13, 1987	Riesner <i>et al.</i>			
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	AF	5,076,950	Dec. 31, 1991	Ullman <i>et al.</i>			
	AG	3,652,761	Mar. 28, 1972	Weetall, H.			
	AH	4,695,392	Sep. 22, 1987	Whitehead <i>et al.</i>			
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	AJ	5,693,785	Dec. 2, 1997	Woodward <i>et al.</i>			
	AK	5,610,274	Mar. 11, 1997	Wong, Y.			
	AL	5,734,020	Mar. 31, 1998	Wong, Y.			
	AM	5,904,848	May 18, 1999	Wong <i>et al.</i>			
	AN	5,792,651	Aug. 11, 1998	Colpan <i>et al.</i>			

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>Me</i>	AO	CA 2,223,821	Dec. 27, 1996	Canada			x
	AP	EP 391 608 A2	Oct. 10, 1990	Europe			x
<i>Me</i>	AQ	EP 0 741 141 A2	Nov. 6, 1996	Europe			x
<i>Me</i>	AR	EP 0 757 106 A2	Feb. 5, 1997	Europe			x
<i>Me</i>	AS	DE 43 07 262	Sep. 8, 1994	Germany			x
<i>Me</i>	AT	DE 195 12 368 A1	Oct. 2, 1996	Germany			x
<i>Me</i>	AU	JP 9-327290	Dec. 11, 1997	Japan			x
<i>Me</i>	AV	JP 9-327291	Dec. 11, 1997	Japan			x
	AW	JP 10 316696	Dec. 2, 1998	Japan			x
<i>Me</i>	AX	WO 83/03363	Oct. 13, 1983	PCT			x
<i>Me</i>	AY	WO 91/12079	Aug. 22, 1991	PCT			x
<i>Me</i>	AZ	WO 95/06652	Mar. 9, 1995	PCT			x
<i>Me</i>	BA	WO 96/31781	Oct. 10, 1996	PCT			x
<i>Me</i>	BB	WO 97/29825	Aug. 21, 1997	PCT			x
<i>Me</i>	BC	WO 98/31461	Jul. 23, 1998	PCT			x
<i>Me</i>	BD	WO 98/31840	July 23, 1998	PCT			x

## BEOTER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Me</i>	BE	Anspach, "High-Performance Liquid Affinity Chromatography with Phenylboronic Acid, Benzanidine, Tri-L-alanine, and Concanavalin A Immobilized on 3-Isothiocyanatopropyltriethoxysilane-Activated Nonporous Monodisperse Silicas", <i>Anal. Biochem</i> (1989) 179:171-181.
<i>Me</i>	BF	<del>Ausubel <i>et al.</i>, <i>Current Protocols in Molecular Biology</i>, Ch. 2 (DNA), Ch. 4 (RNA)</del>
	BG	<del>Brocontrol Network, "Perma-Guard Diatomaceous Earth", <a href="http://www.biconet.com">http://www.biconet.com</a>, (1998).</del>
<i>Me</i>	BH	Bishoff <i>et al.</i> , "Chemically Synthesized Hydrophobic Anion-Exchange High-Performance Liquid Chromatography Supports Used for Oligonucleotide Resolution By Mixed Mode Chromatography", <i>J. Chromatog.</i> (1983) 270:117-126.
<i>Me</i>	BI	Bishoff <i>et al.</i> , "Nucleic Acid Resolution By Mixed-Mode Chromatography", <i>J. Chromatog.</i> (1984) 296:329-337.
	BJ	<del>Bitner <i>et al.</i>, "Use of MagneSil™ Paramagnetic Particles for Plasmid Purification, PCR-Cleanup, and Purification of Dideoxy and Big-Dye DNA Sequencing Reactions", <i>Advances in Nucleic Acid and Protein Analyses, Manipulation and Sequencing, Proceedings of SPIE</i>, (2000) 3926:126-133.</del>
<i>Me</i>	BK	Boom <i>et al.</i> , "Rapid and Simple Method for Purification of Nucleic Acids", <i>J. Clin. Microbiol.</i> , (1990) 28:495-503
	BL	Controlled Pore Glass Products, CPG, Inc. Online, <a href="http://www.cpg-biotech.com">http://www.cpg-biotech.com</a> , (2000).
<i>Me</i>	BM	Crowther <i>et al.</i> , "High-Performance Liquid Chromatographic Separation of Oligonucleotides and Other Nucleic Acid Constituents on Multifunctional Stationary Phases", <i>J. Chromatog.</i> (1983) 282:619-628.

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<u>M</u>	BN	Edwardson <i>et al.</i> , "Separation and purification of oligonucleotides using a new bonded-phase packing material", <i>J. Chromatog.</i> (1991) 545:79-89.
<u>M</u>	BO	Figuerola <i>et al.</i> , "High-Performance Immobilized-Metal Affinity Chromatography of Proteins on Iminodiacetic Acid Silica-Based Bonded Phases", <i>J. Chromatog.</i> (1986) 371:335-352.
<u>M</u>	BP	Floyd <i>et al.</i> , "Mixed-Mode Hydrophobic Ion Exchange for the Separation of Oligonucleotides and DNA Fragments Using HPLC", <i>Analytical Biochemistry</i> (1986) 154:570-577.
<u>M</u>	BQ	Gjerd <i>et al.</i> , Ion Chromatography, Ch. 3, Dr. Alfred Hothig Verlag Heidelberg (1987) 2nd Ed.
<u>M</u>	BR	Goldsborough <i>et al.</i> , "High Purity Plasmid DNA from Anion Exchange Chromatography", <i>Focus</i> (1998) Vol. 20 No. 3.
<u>M</u>	BS	Jost <i>et al.</i> , "Application of a Weakly Basic Dimethylamino-Modified Silica Ion Exchanger to the Separation of oligonucleotides", <i>J. Chromatog.</i> 185 (1979) 403-412.
<u>M</u>	BT	Kirk-Othmer, Encyclopedia of Chemical Technology, (1993) Vol 6, 4th ed., pp. 773-775.
<u>M</u>	BU	Kurt-Othmer Encyclopedia of Chemical Technology, Vol. 21, 4th ed., Mary Howe-Grant, ed., John Wiley & Sons, pub., 1997, pp. 1021-1022.
<u>M</u>	BV	<del>Kleiber <i>et al.</i>, Database CAS online AN 126:86772-9 pp. Abstract</del>
<u>M</u>	BW	Maa <i>et al.</i> , "Rapid high-performance liquid chromatography of nucleic acids with polystyrene-based micropellicular anion exchangers", <i>J. Chromatog.</i> (1990) 508:61-73
<u>M</u>	BX	Macherey-Nagel, Macherey-Nagel homepage on the Internet on 6/12/98, at <a href="http://www.machrey-nagel.com">http://www.machrey-nagel.com</a> .
<u>M</u>	BY	Marko <i>et al.</i> , "A Procedure for the Large-Scale Isolation of Highly Purified Plasmid DNA Using Alkaline Extraction and Binding to Glass Powder", <i>Anal. Biochem.</i> (1982) 121:382-387
<u>M</u>	BZ	McLaughlin, L., "Mixed-Mode Chromatography of Nucleic Acids", <i>Chem Rev</i> (1989) 89: 309-319.
<u>M</u>	CA	Northrop, <i>et al.</i> , "Preparation and Evaluation of a Bimodal Size-Exclusion Chromatography Column Containing a Mixture of Two Silicas of Different Pore Diameter", <i>Anal. Chem.</i> (1991) 63:1350-1354.
	CB	Technical Bulletin No. 48 "SV Total RNA Isolation System", (Promega Corp.) (1998).
<u>M</u>	CC	Technical Bulletin No. 202 "Wizard <sup>®</sup> Plus Series 9600 <sup>™</sup> DNA Purification System", (Promega Corp.) (1998).
<u>M</u>	CD	Technical Bulletin No. 225 "Wizard <sup>®</sup> Plus SV Minipreps DNA Purification System", (Promega Corp.) (1999).
<u>M</u>	CE	Technical Bulletin No. 259 "Wizard <sup>®</sup> PureFecton Plasmid DNA Purification System", (Promega Corp.) (1999).
	CF	Quantiblot, Quantiblot Human DNA Quantitation System, PE Applied Biosystems, 2/5/96, page 1-5 ( <a href="http://www.pebio.com/fo/773503/773503.html">http://www.pebio.com/fo/773503/773503.html</a> )
<u>M</u>	CG	Sambrook, J., et al. (1989) In <i>Molecular Cloning A Laboratory Manual</i> , 2nd edition, Cold Spring Harbor Laboratory Press, pp. 2.22 and filtration system reference.
<u>M</u>	CH	Sambrook, J., et al. (1989) In <i>Molecular Cloning A Laboratory Manual</i> , 2nd edition, Cold Spring Harbor Laboratory Press, pp. 1.25-1.28.
	CI	<del>White <i>et al.</i>, "MagneSil<sup>™</sup> Paramagnetic Particles: Novel Magnetics for DNA Purification", <i>Promega Notes</i>, 69: 12-14 (1998).</del>

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